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Water Quality in Aquaculture

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Water Quality in Aquaculture

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S17	324673	PY=1986:PY=1990
S18	115	S14 AND S17
S19	421425	PY=1985:PY=1990
S20	128	S14 AND S19
S21	545979	PY=1984:PY=1990
S22	258	S14 AND S21
S23	3408	WATER()QUALITY
S24	5059	POND?/TI OR AQUACULTURE/TI OR FISH(F)FARM? OR FINFISH(F)CULTUR? OR SHELLFISH(F)CULTUR? OR FISH(F)CULTUR? OR TANK?/TI OR RACEWAY?/TI
S25	63	S23 AND S24
S26	25	S21 AND S25
S27	282	S22 OR S26

1 NAL Call No: S544.3.M7M5
Ammonia in fish ponds.
Durborow, R.M.
Starkville, Miss. : The Service; 1986 Jun.
Information sheet - Mississippi State University, Cooperative Extension Service (1333): 2 p.; 1986 Jun. Includes references.

Language: English

Descriptors: fish ponds; ammonium nitrogen; toxicity

2 NAL Call No: QP1.C6
Ammonia production by the freshwater bivalve Elliptio buckleyi (Lea): intact and monovalve preparations (Clams).
Vitale, M.A.; Friedl, F.E.
Oxford : Pergamon Press; 1984.
Comparative biochemistry and physiology. A: Comparative physiology v. 77 (1): p. 113-116; 1984. Includes references.

Language: English

3 NAL Call No: TP995.A115
Ammonia removal allows effluent reuse at fish hatchery using fluidized bed reactors.
Owsley, D.E.; Jeris, J.S.; Owens, R.
Chelsea, Mich. : Lewis Publishers; 1988.
Proceedings of the Industrial Waste Conference, Purdue University (43rd): p. 449-457. ill; 1988. Conference held May 10-12, 1988. Includes references.

Language: English

Descriptors: Idaho; trout; fish hatcheries; water reuse; fluidized beds; ammonia

4 NAL Call No: FICHE S-72
Analysis and modeling of dissolved oxygen in warm water aquaculture ponds.
Giovannini, P.; Piedrahita, R.H.
St. Joseph, Mich. : The Society; 1988.
American Society of Agricultural Engineers (Microfiche collection) (fiche no. 88-5004): 30 p. ill; 1988. Paper presented at the 1988 Summer Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, St. Joseph, Michigan 49085. Telephone the Order Dept. at (616) 429-0300 for information and prices. Includes references.

Language: English

Descriptors: aquaculture; ponds; water composition and quality; temperature; ph; dissolved oxygen; photosynthesis; phytoplankton; models

5 NAL Call No: SH222.M7F47
Anemia and nitrite exposure in channel catfish ponds.
Tucker, C.S.; Francis-Floyd, R.; Beleau, M.H.
State College, Miss. : The Service; 1986 Dec17.
For fish farmers - Mississippi State University, Cooperative Extension Service (86-4): p. 2-4; 1986 Dec17.

Language: English

Descriptors: siluroidea; anemia; nitrites; concentrations; poisoning; fish farming; chlorides

6 NAL Call No: 275.249 R32
Aprovechamiento de recursos para explotaciones piscicolas. [Use of resources for fish farming (Water quality).]
Hernandez Briz, F.
Madrid : Servicio de Extension Agraria del Ministerio de Agricultura; Jan/Feb 1984.
Revista de extension agraria (1): p. 10-12. ill; Jan/Feb 1984.

Language: Spanish

7 NAL Call No: FICHE S-72
Automation of water quality measurements for aquaculture systems.
Kaiser, G.E.; Wheaton, F.W.
St. Joseph, Mich. : The Society; 1986.
American Society of Agricultural Engineers (Microfiche collection) (fiche no. 86-5048): 12 p. ill; 1986. Paper presented at the 1986 Summer Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, St. Joseph, Michigan 49085. Telephone the Order Dept. at (616) 429-0300 for information and prices. Includes references.

Language: English

Descriptors: aquaculture; systems; water composition and quality; measurement; automation; instrumentation

8 NAL Call No: 410 Z751Z

Biochemical investigations on salinity and temperature acclimation of the rainbow trout, Salmo gairdneri (Richardson).
Jurss, K.; Bittorf, T.; Vokler, T.
Jena, E. Ger. : Gustav Fischer; 1984.
Zoologische Jahrbucher. Abteilung fur allgemeine Zoologie und Physiologie der Tiere v. 88 (1): p. 67-81; 1984. Includes references.

Language: English

9 NAL Call No: 414.9 AM3
Chronic toxicity of ammonia to rainbow trout (Salmo gairdneri).
Thurston, R.V.; Russo, R.C.; Luedtke, R.J.; Smith, C.E.; Meyn, E.L.
Lawrence, Kan. : The Society; Jan 1984.
Transactions of the American Fisheries Society v. 113 (1): p. 56-73. ill; Jan 1984. Includes references.

Language: English

10 NAL Call No: 500 M697
A comparative study of water quality of some selected farm ponds and wooded watersheds of southwest Mississippi.
Edney, N.A.; Rizvi, M.; Rizvi, N.; Gibbs, J.
Booneville, Miss. : The Academy; 1987.
Journal of the Mississippi Academy of Sciences v. 32: p. 91-97. maps; 1987. Includes references.

Language: English

Descriptors: Mississippi; water poilution; ponds; watersheds; fertilizers; livestock farms; pollution by agriculture; water composition and quality

11 NAL Call No: S79.E37
Comparison of nightly and emergency aeration of channel catfish ponds.
Steeby, J.A.; Tucker, C.S.
Mississippi State, Miss. : The Station; 1988 Nov.
Research report - Mississippi Agricultural and Forestry Experiment Station v. 13 (8): 4 p.; 1988 Nov. Includes references.

Language: English

Descriptors: Mississippi; ictalurus; fish ponds; aeration; scheduling; yield response functions

12 NAL Call No: SH1.A6
Comparisons of oxygen-transfer rates and water-circulating capabilities of emergency aerators for fish ponds.
Petrille, J.; Boyd, C.E.
Amsterdam : Elsevier Scientific Publishing; Apr 1, 1984.
Aquaculture v. 37 (4): p. 377-386. ill; Apr 1, 1984. Includes references.

Language: English

13 NAL Call No: GB855.C64
Computation of dissolved gas concentrations in water as functions of temperature, salinity, and pressure.
Colt, John
Bethesda, Md. : American Fisheries Society; 1984.
vi, 154 p. ; 26 cm. (Special publication (American Fisheries Society) ; no. 14.). Bibliography: p. 110-111.

Language: English

Descriptors: Water chemistry; Chemical oceanography; Gases--Analysis

14 NAL Call No: SH1.A6
Differences in oxygen consumption and ammonia production among American elvers (Anguilla rostrata).
Gallagher, M.L.; Kane, E.; Courtney, J.
Amsterdam : Elsevier Scientific Publishing; July 15, 1984.
Aquaculture v. 40 (2): p. 183-187; July 15, 1984. Includes references.

Language: English

15 NAL Call No: SH1.A6
Digestibility in Sarotherodon niloticus fry: effects of dietary protein level and salinity with further observations on variability in daily digestibility.
De Silva, S.S.; Perera, M.K.
Amsterdam : Elsevier Scientific Publishing; June 1, 1984.
Aquaculture v. 38 (4): p. 293-306. ill; June 1, 1984. Includes references.

Language: English

16 NAL Call No: 293.8 SE8
Dissolved oxygen in streams and reservoirs.
Bohac, C.E.

Washington, D.C. : The Federation; June 1984.
Journal - Water Pollution Control Federation v. 56 (6): p. 704-707; June 1984. Literature review. Includes references.

Language: English

Descriptors: Rivers and Streams

17 NAL Call No: QL444.M33E33
The Effect of ammonia accumulation on blue crab shedding success final report, March, 1983 through December, 1983.
Lakshmi, G. J.
Mississippi-Alabama Sea Grant Consortium
Ocean Springs, Miss. : Gulf Coast Research Laboratory; 198?.
v, 51 p. : ill. ; 28 cm. June 1984. Project no.: R/Rd-2. "This project is sponsored in part by NOAA Office of Sea Grant, Department of Commerce under Grant. "MASGP-83-023"--Cover. Bibliography: p. 48-51.

Language: English

Descriptors: Blue crabs; Molting

18 NAL Call No: 410 AN712
The effect of low pH on perch, Perca fluviatilis L. II. The effect of acid stress on different development stages of perch.
Rask, M.
Helsinki : Finnish Academy of Sciences; 1984.
Annales zoologici Fennici v. 21 (1): p. 9-13. ill; 1984. Includes 33 references.

Language: English

Descriptors: Finland

19 NAL Call No: SH1.A6
The effect of reduced pH on carapace calcium, strontium and magnesium levels in rapidly growing prawns (Penaeus monodon Fabricius).
Wickins, J.F.
Amsterdam : Elsevier Scientific Publishing; 1984 Sep01.
Aquaculture v. 41 (1): p. 49-60; 1984 Sep01. Includes references.

Language: English

Descriptors: prawns; penaeus; growth; survival; ph; calcium; strontium; magnesium

20 NAL Call No: QP1.C6
The effect of salinity and ion composition on oxygen consumption and nitrogen excretion of Macrobrachium rosenbergii (De Man) (Prawns).
Stern, S.; Borut, A.; Cohen, D.
Oxford : Pergamon Press; 1984.
Comparative biochemistry and physiology. A: Comparative physiology v. 79 (2): p. 271-274; 1984. Includes references.

Language: English

21 NAL Call No: 157.5 P94
Effect of treatment with a commerical bacterial suspension on water quality in channel catfish ponds (Ictalurus punctatus, Aqua-Bacta Aid).
Boyd, C.E.; Hollerman, W.D.; Plumb, J.A.; Saeed, M.
Fort Collins, Colo. : The Service; Jan 1984.
The Progressive fish culturist - United States, Fish and Wildlife Service v. 46 (1): p. 36-40; Jan 1984. Includes references.

Language: English

22 NAL Call No: 414.9 AM3
Effects of chronic turbidity on density and growth of steelheads and coho salmon (Salmo gairdneri, Oncorhynchus kisutch).
Sigler, J.W.; Bjornn, T.C.; Everest, F.H.
Lawrence, Kan. : The Society; Mar 1984.
Transactions of the American Fisheries Society v. 113 (2): p. 142-150. ill; Mar 1984. Includes references.

Language: English

23 NAL Call No: 414.9 AM3
Effects of dissolved-oxygen depletion on the rainbow trout fishery in Lake Taneycomo, Missouri (Salmo gairdneri).
Weithman, A.S.; Haas, M.A.
Lawrence, Kan. : The Society; Mar 1984.
Transactions of the American Fisheries Society v. 113 (2): p. 109-124. maps; Mar 1984. Includes references.

Language: English

Descriptors: Missouri; Lakes and Ponds

24 NAL Call No: SH1.A6
Effects of feeding rates on production of common carp and water quality in paddy-cum-fish culture (Cyprinus carpio).

Ghosh, S.K.; Mandal, B.K.; Borthakur, D.N.
Amsterdam : Elsevier Scientific Publishing; July 15, 1984.
Aquaculture v. 40 (2): p. 97-101. ill; July 15, 1984. Includes references.

Language: English

25 **NAL Call No: QP1.C6**
Effects of low acclimation temperature on salinity adaptation in the presmolt salmon, Salmo salar L.
Virtanen, E.; Oikari, A.
Oxford : Pergamon Press; 1984.
Comparative biochemistry and physiology. A: Comparative physiology v. 78 (2): p. 387-392. ill; 1984. Includes references.

Language: English

26 **NAL Call No: 450 B6582**
Effects of seawater exchange, pH and carbon supply on the growth of Gracilaria tikvahiae (Rhodophyceae) in large-scale cultures.
DeBusk, T.A.; Ryther, J.H.
Berlin, W. Ger. : W. de Gruyter; 1984 Aug.
Botanica marina v. 27 (8): p. 357-362. ill; 1984 Aug. Includes references.

Language: English

Descriptors: algae; seawater; ph; carbon; growth

27 **NAL Call No: QE471.2.I568 1986**
The effects of sediment-bound heavy metals on algae and importance of salinity.
Ahlf, W.; Calmano, W.; Forstner, U.
New York : Springer-Verlag; 1986.
Sediments and water interactions : proceedings of the Third International Symposium on Interactions Between Sediments and Water, held in Geneva, Switzerland, August 27-31, 1984 / edited by Peter G. Sly. p. 319-324; 1986. Includes references.

Language: English

Descriptors: fresh water; sediments; heavy metals; uptake; algae; ankistrodesmus; phytotoxicity; salinity

28 **NAL Call No: 100 AL1H**
Electric paddle wheel aerators for catfish farming.
Boyd, C.E.
Auburn, Ala. : The Station; 1987.
Highlights of agricultural research - Alabama Agricultural Experiment Station v. 34 (3): p. 5. ill; 1987.

Language: English

Descriptors: siluroidea; fish farming; aeration

29 **NAL Call No: 410 J825**
Environmental salinity and the thyroidal response to thyrotropin in juvenile coho salmon (Oncorhynchus kisutch).
Specker, J.L.; Richman, N.H. III
New York, N.Y. : Alan R. Liss; May 1984.
Journal of experimental zoology v. 230 (2): p. 329-333; May 1984. Includes references.

Language: English

30 **NAL Call No: SH1.A6**
Estimated pollution loadings from Norweigian fish farms. II. Investigations 1980-1981.
Bergheim, A.; Hustveit, H.; Kittelsen, A.; Selmer-Olsen, A.R.
Amsterdam : Elsevier Scientific Publishing; Jan 1, 1984.
Aquaculture v. 36 (1/2): p. 157-168. ill; Jan 1. 1984. Includes references.

Language: English

Descriptors: Norway

31 **NAL Call No: S79.E37**
Evaluation of a commercial bacterial amendment for improving water quality in channel catfish ponds.
Tucker, C.S.; Lloyd, S.W.
Mississippi State, Miss. : The Station; 1985 Oct.
Research report - Mississippi Agricultural and Forestry Experiment Station v. 10 (9): 4 p.; 1985 Oct. Includes references.

Language: English

Descriptors: ictalurus; fish ponds; water composition and quality; bacteria; amendments

32 **NAL Call No: 100 AL1S (2)**
Evaluation of aeration attachments for a Crisafulli pump.
Boyd, C.E.; Stone, N.
Auburn, Ala. : The Station; 1988 Apr.
Circular - Alabama Agricultural Experiment Station (293): 11 p. ill; 1988 Apr. Includes references.

Language: English

Descriptors: fish ponds; aeration; agitators; pumps; performance

33 NAL Call No: 100 AL1S (1)
Evaluation of aerators for channel catfish farming.
Boyd, C.E.; Ahmad, T.
Auburn, Ala. : The Station; 1987 Jun.
Bulletin - Alabama Agricultural Experiment Station (584): 52 p. ill; 1987 Jun. Includes references.

Language: English

Descriptors: siluroidea; fish ponds; aeration; agitators; blades; evaluation

34 NAL Call No: SH1.A6
Evaluation of propeller-aspirator-pump aerators (used in fisheries to improve dissolved oxygen concentrations).
Boyd, C.E.; Martinson, D.J.
Amsterdam : Elsevier Scientific Publishing; Jan 15, 1984.
Aquaculture v. 36 (3): p. 283-292. ill; Jan 15, 1984. Includes references.

Language: English

35 NAL Call No: SH1.A66
An evaluation of three paddlewheel aerators used for emergency aeration of channel catfish ponds (Ictalurus punctatus).
Busch, R.L.; Tucker, C.S.; Steeby, J.A.; Reames, J.E.
London : Applied Science Publishers; 1984.
Aquacultural engineering v. 3 (1): p. 59-69. ill; 1984. Includes references.

Language: English

36 NAL Call No: Q125.E5
Fish culture and the dawn of concern over water pollution in the United States.
Pisani, D.J.
Denver, Colo. : American Society for Environmental History; Summer 1984.
Environmental review v. 8 (2): p. 117-131. ill; Summer 1984. Includes references.

Language: English

Descriptors: USA

37 NAL Call No: SH159.G46
Geochemical budgets for carbon and nutrients in intensively cultured marine fish ponds.
Krom, M. D.
United States-Israel Binational Agricultural Research and Development Fund
Bet Dagan, Israel : BARD; 1988.
210 leaves : ill. ; 30 cm. Final report. Project no. I-626-83. "1988."--Cover. Includes bibliographies.

Language: English

Descriptors: Fish ponds; Fishes--Effect of water quality on

38 NAL Call No: SH159.J4
Guide to oxygen management and aeration in commercial fish ponds.
Jensen, Gary L.; Bankston, Joseph D.
Louisiana Agricultural Experiment Station, Louisiana Cooperative Extension Service
Baton Rouge? : Louisiana State University Agricultural Center, [1988?]; 1988.
27 p. ; ill. ; 28 cm. Cover title. "Authors, Gary L. Jensen, Joseph D. Bankston."--P. 25. Bibliography: p. 25.

Language: English

Descriptors: Fish ponds; Aquaculture; Water--Aeration; Fish-culture--Management

39 NAL Call No: FICHE S-72
The importance of bacterial decomposition in aquaculture (Water quality, phytoplankton culture).
Piedrahita, R.H.; Moore, B.; Tchobanoglous, G.
St. Joseph, Mich. : The Society; 1984.
Paper - American Society of Agricultural Engineers (Microfiche collection) (fiche no. 84-5025): 1 microfiche : ill; 1984. Paper presented at the 1984 Summer Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, St. Joseph, Michigan 49085. Telephone the Order Dept. at (616) 429-0300 for information and prices. Includes references.

Language: English

40 NAL Call No: SH1.A6

Influence combinee des facteurs temperature et salinite sur la metamorphose et la croissance larvaire de la crevette rose Palaemon serratus (Pennant) (Crustacea, Decapoda, Palaemonidae). [The combined effects of temperature and salinity on the metamorphosis and larval growth of the common prawn, Palaemon serratus (Pennant) (Crustacea, Decapoda, Palaemonidae).]
Yagi, H.; Ceccaldi, H.J.
Amsterdam : Elsevier Scientific Publishing; Feb 15, 1984.
Aquaculture v. 37 (1): p. 73-85. ill; Feb 15, 1984. Includes references.

Language: French; English

41 NAL Call No: 100 M69MI
Influence of Edwardsiella ictaluri septicemia on Nitrite-induced methemoglobinemia in channel catfish (Ictalurus punctatus).
Tucker, C.S.; MacMillan, J.R.; Schwedler, T.E.
Mississippi State, Miss. : The Station; 1984 Aug.
MAFES research highlights - Mississippi Agricultural & Forestry Experiment Station v. 47 (8): p. 6-7; 1984 Aug. Includes references.

Language: English

Descriptors: ictalurus; enterobacteriaceae; septicemia; methemoglobinemia

42 NAL Call No: RA1270.P35A1
Influence of Edwardsiella ictaluri septicemia on nitrite-induced methemoglobinemia in channel catfish (Ictalurus punctatus) (Bacterial diseases of fish).
Tucker, C.S.; MacMillan, J.R.; Schwedler, T.E.
New York, N.Y. : Springer-Verlag; June 1984.
Bulletin of environmental contamination and toxicology v. 32 (6): p. 669-673; June 1984. Includes references.

Language: English

43 NAL Call No: 442.9 C16J
Influence of varying pH and some inorganic cations on the perivitelline potential of eggs of Atlantic salmon (Salmo salar).
Peterson, R.H.
Hull, Quebec : Minister of Supply and Services Canada; 1984.
Canadian journal of fisheries and aquatic sciences; Journal canadien des sciences halieutiques et aquatiques v. 41 (7): p. 1066-1069. ill; 1984. Includes 9 references.

Language: English

Descriptors: pollution; acid rain; egg hatchability; salmo

44 NAL Call No: QP1.C6
Involvement of the gill chloride cells of trout under acute nitrite intoxication (Salmo gairdneri).
Gaino, E.; Arillo, A.; Mensi, P.
Oxford : Pergamon Press; 1984.
Comparative biochemistry and physiology. A: Comparative physiology v. 77 (4): p. 611-617. ill; 1984. Includes references.

Language: English

45 NAL Call No: SH222.M7F47
Liming and fertilizing sport fishing ponds.
State College, Miss. : The Service; 1988 Sep13.
For fish farmers - Mississippi State University, Cooperative Extension Service (88-2): p. 3-5; 1988 Sep13.

Language: English

Descriptors: Mississippi; fish ponds; liming; fertilizer application; mud

46 NAL Call No: S544.3.A2C47
Liming fish ponds.
Jensen, J.
Auburn, Ala. : The Service; 1987 Mar.
Circular ANR - Cooperative Extension Service, Auburn University (232): 2 p. ill; 1987 Mar.

Language: English

Descriptors: fish ponds; liming; fish pond soils

47 NAL Call No: S544.3.A2C47
Liming fish ponds.
Jensen, J.
Auburn, Ala. : The Service; 1984 Jun.
Circular ANR - Cooperative Extension Service, Auburn University (232): 2 p. ill; 1984 Jun.

Language: English

Descriptors: fish ponds; liming; fish production; algae

48 NAL Call No: SH1.F54
Liming of acidified Swedish lakes and streams

and its consequences for aquatic ecosystems.
Hasselrot, B.; Hultberg, H.
Bethesda : American Fisheries Society; Jan/Feb 1984.
Fisheries : A bulletin of the American Fisheries Society v. 9 (1): p. 4-9. ill; Jan/Feb 1984. Paper presented at the Symposium on Mitigation Techniques for Acidified Surface Waters, Milwaukee, Wisconsin, AUgust 19, 1983. Includes references.

Language: English

Descriptors: Sweden; Lakes and Ponds; Rivers and Streams

49 NAL Call No: FICHE 290.9 AM32P
Maintaining water quality in recirculating trout culture: field evaluation of a retained biomass nitrification filter.
Saxton, C.H.; Brune, D.E.
St. Joseph, Mich. : The Society; 1985.
Paper - American Society of Agricultural Engineers (Microfiche collection) (fiche no. 85-5011): 18 p.; 1985. Paper presented at the 1985 Summer Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road.Includes references.

Language: English

Descriptors: fish culture; trout; water composition and quality; biomass; nitrification; filters

50 NAL Call No: 275.29 F66C
Management of water quality for fish.
Rottmann, R.W.; Shireman, J.V.
Gainesville, Fla. : The Service; 1988.
Circular - Florida Cooperative Extension Service (715): 18 p. ill; 1988. Includes references.

Language: English

Descriptors: Florida; fish farming; fish ponds; water composition and quality; aeration; water filters; acidity; alkalinity; ammonia; nitrites; water management

51 NAL Call No: 275.29 F66C
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Rottmann, R.W.; Shireman, J.V.
Gainesville, Fla. : The Service; 1987.
Circular - Florida Cooperative Extension Service (715): 18 p. ill; 1987.

Language: English

Descriptors: Florida; fish culture; water composition and quality; management; ponds

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New York : Springer-Verlag; Feb 1984.
Bulletin of environmental contamination and toxicology v. 32 (2): p. 238-242; Feb 1984. Includes references.

Language: English

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Nitrite-induced anemia in channel catfish, Ictalurus punctatus rafinesque.
Tucker, C.S.; Francis-Floyd, R.; Beleau, M.H.
New York, N.Y. : Springer-Verlag; 1989 Aug.
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Language: English

Descriptors: ictalurus; nitrites; toxicity; anemia; fishery management; methemoglobin; hematocrit; hemoglobin value

54 NAL Call No: RA1270.P35A1
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Huey, D.W.; Beitinger, T.L.; Wooten, M.C.
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Language: English

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Cadle, S.H.; Dasch, J.M.; Grossnickle, N.E.
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Language: English

Descriptors: Michigan

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Gonzalez, J.F.
Kew : (s.n.).; Aug 1984.
Environmental technology letters v. 5 (8): p. 345-348; Aug 1984. Includes 3 references.

Language: English

57 **NAL Call No: 275.29 G29L**
Oxygen depletion in ponds.
Lewis, G.W.
Athens, Ga. : The Service; 1985 Apr.
Leaflet - Cooperative Extension Service, University of Georgia v.): 8 p. ill; 1985 Apr.

Language: English

Descriptors: Georgia; ponds; oxygen deficiency; fish culture; aeration; chemical treatment

58 **NAL Call No: SH159.H5**
Oxygen depletions in farm ponds.
Higginbotham, Billy
Prairie View A & M University, Cooperative Extension Program
Prairie View, Tex. : Cooperative Extension Program, Prairie View A&M University, [1987?]; 1987.
1 sheet ; 28 cm. Caption title.

Language: English

Descriptors: Farm ponds--Texas--Oxygen

59 **NAL Call No: TD930.A32**
Oxygenation saves fish from farm effluent on English river.
Carlaw, D.
London : Elsevier Applied Science Publishers; 1988.
Biological wastes v. 23 (2): p. 153-155; 1988.

Language: English

Descriptors: south east england; fish; river fisheries; silage effluent; slurries; animal wastes; water pollution; oxygen deficiency; water purification; oxygen; injections; pollution by agriculture

60 **NAL Call No: SH1.C65**
Passive aeration: part of the solution (Aquaculture industry, fish management).
Manci, W.E.
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Language: English

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Little Rock, Ark. : Briggs Associates, Inc; Mar/Apr 1984.
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Language: English

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Daoust, P.Y.; Ferguson, H.W.
Oxford : Blackwell Scientific; May 1984.
Journal of fish diseases v. 7 (3): p. 199-205; May 1984. Includes references.

Language: English

63 **NAL Call No: QH545.A1E58**
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Language: English

Descriptors: pcp; toxicity; ph; aquatic organisms

64 **NAL Call No: TD201.W92**
Pig and fish farms endanger Danish water quality.
Bingham, A.
London, Eng. : T. Telford Ltd; 1985 Apr.
World water v. 8 (3): p. 27-28. ill; 1985 Apr.

Language: English

Descriptors: Denmark; pig slurry; animal wastes; fish ponds; fish scrap; water composition and quality; water pollution; phosphorus; nitrates; or-

ganic diseases; regulations

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Pond fertilization and liming.
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Bulletin - Cooperative Extension Service, University of Georgia, College of Agriculture v.): 10 p. ill; 1987 Jun.

Language: English

Descriptors: ponds; fertilizer application; liming; fish culture

66 NAL Call No: TD930.A32
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London : Elsevier Applied Science Publishers; 1985.
Agricultural wastes v. 12 (3): p. 207-224. ill; 1985. Includes references.

Language: English

Descriptors: sorghum; brewery effluent; waste water treatment; bacteria; algae; aponogeton; cultural methods

67 NAL Call No: SH222.M7F47
Propanil and dissolved oxygen dynamics in channel catfish culture ponds.
Tucker, C.S.
State College, Miss. : The Service; 1987 Apr06.
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Language: English

Descriptors: Mississippi; ictalurus; fish farming; fish ponds; propanil; oxygen; depletion; aeration

68 NAL Call No: QP501.C6
Properties of the lysosomes from liver and gill of rainbow trout, Salmo gairdnerii R: effect of starvation, salinity and 2,4,5-T.
Thebault, M.T.; Raffin, J.P.
Oxford : Pergamon Press; 1984.
Comparative biochemistry and physiology. B: Comparative biochemistry v. 79 (4): p. 541-547. ill; 1984. Includes references.

Language: English

Descriptors: starvation; salmo gairdneri; lysosomes; livers; salinity

69 NAL Call No: QP1.C6
The relationship between fluctuating salinity and oxygen delivery in adult blue crabs (Callinectes sapidus).
Sabourin, T.D.
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Language: English

70 NAL Call No: QH540.S9
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Plumb, J.A.
Budapest : Akademiai Kado; 1984.
Symposia biologica Hungarica v. 23: p. 189-199; 1984. Includes references.

Language: English

Descriptors: fish culture; fish diseases; water composition and quality; ictalurus; aeromonas

71 NAL Call No: 410 H992
Relationships between phytoplankton periodicity and the concentrations of total and unionized ammonia in channel catfish ponds (Ictalurus punctatus).
Tucker, C.S.; Lloyd, S.W.; Busch, R.L.
The Hague : W. Junk; Apr 10, 1984.
Hydrobiologia v. 111 (1): p. 75-79; Apr 10, 1984. Includes references.

Language: English

72 NAL Call No: QP1.C6
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Oxford : Pergamon Press; 1984.
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Language: English

73 NAL Call No: QP1.C6
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Oxford : Pergamon Press; 1984.
Comparative biochemistry and physiology. A: Comparative physiology v. 79 (4): p. 519-524. ill; 1984. Includes references.

Language: English

Descriptors: saline water; prawns; salt tolerance

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Watanabe, Wade O.; Kuo, Ching-Ming,1935-; Huang, Mei-Chan
International Center for Living Aquatic Resources Management
Taipei, Taiwan : Council for Agricultural Planning and Development ; Manila, Philippines : International Center for Living Aquatic Resources Management; 1985.
iii, 22 p. : ill. ; 28 cm. (ICLARM technical reports ; 16 ICLARM contribution, no. 209). Bibliography: p. 20-22.

Language: English

Descriptors: Tilapia; Cichlidae; Fish-culture; Animal introduction; Fishes--Effect of salt on

75 NAL Call No: 381 AS7
Second derivate ultraviolet spectroscopy and sulfamic acid method for determination of nitrates in water.
Simal, J.; Lage, M.A.; Iglesias, I.
Arlington, Va. : The Association; 1985 Sep.
Journal of the Association of Offical Analytical Chemists v. 68 (5): p. 962-964; 1985 Sep. Includes 14 references.

Language: English

Descriptors: water; nitrates; analytical methods

76 NAL Call No: TD223.C26
Septic tank system effects on ground water quality.
Canter, Larry W.; Knox, Robert C.
Chelsea, Mich. : Lewis Publishers; 1985.
xx, 336 p. : ill. ; 24 cm. Includes bibliographies and index.

Language: English

Descriptors: Water, Underground--Pollution--United States; Septic tanks--Environmental aspects--United States; Water quality--United States

77 NAL Call No: FICHE S-72
Surface aerator design for aquaculture and mariculture.
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Language: English

Descriptors: shrimp culture; surface areas; aeration; design; models

78 NAL Call No: QL614.J68
Susceptiblity of starved, juvenile smallmouth bass, Micropterus dolomieui (Lacepede) to low pH.
Kwain, W.; McCauley, R.W.; MacLean, J.A.
London : Academic Press; 1984 Oct.
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Language: English

Descriptors: bass; fishes; ph; acidity; susceptibility

79 NAL Call No: RA1270.P35A1
Swimming performance of channel catfish (Ictalurus punctatus) after nitrite exposure.
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New York, N.Y. : Springer-Verlag; 1985 May.
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Language: English

Descriptors: nitrites; toxicity; ictalurus

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Bolhar-Nordenkampf, H.R.; Jager, U.
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Language: English

Descriptors: araceae; aquatic plants; gas exchange; oxygen; ph; alkalinity; aquatic environment; environmental factors; photorespiration; equilibrium

81 **NAL Call No: 275.29 M68EXT**
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Language: English

Descriptors: Mississippi; siluroidea; fish hatcheries; calcium chloride; water hardness

82 **NAL Call No: 293.8 SE8**
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Language: English

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Variations in surface water pH with changes in sulphur deposition (Freshwater acidification, air pollution effects, models, data from southern Norway).
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Language: English

Descriptors: Norway

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Dutta, R.N.; Jha, U.N.; Jha, S.N.
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Language: English

Descriptors: India

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Language: English

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Language: English

Descriptors: Mississippi; siluroidea; water composition and quality; fish ponds

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